

Appl. No.: 10/077,090
TC/A.U.: 3711 Docket No.: B01-11
Reply to Office Action of November 21, 2003

LISTING OF CLAIMS

Please amend the claims as follows:

1. (Amended) A golf ball comprising:
a substantially spherical outer surface, and
a plurality of first dimples formed on the outer surface of the ball, wherein the perimeter of the first dimples comprises ~~at least one linear edge~~ a regular polygon, and defines a concave, substantially spherical depression.
2. (Cancelled).
3. (Amended) The golf ball of claim ~~[[2]]~~ 1, wherein the perimeter is selected from the group consisting of triangle, square, rectangle, pentagon, hexagon, heptagon, and octagon.
4. (Amended) The golf ball of claim ~~[[2]]~~ 1, wherein the depression comprises a spherical portion.
5. (Original) The golf ball of claim 4, wherein the spherical portion of the depression is defined by a curved enclosure, said curved enclosure is contained within the regular polygonal perimeter.
6. (Amended) ~~The golf ball of claim 4,~~ A golf ball comprising:
a substantially spherical outer surface, and
a plurality of first dimples formed on the outer surface of the ball, wherein the perimeter of the first dimples comprises a regular polygon, and defines a concave, substantially spherical portion; and
wherein the spherical portion of the depression is defined by a curved enclosure, said curved enclosure contacts all the sides of the regular polygonal perimeter.
7. (Original) The golf ball of claim 6, wherein the curved enclosure is a circle.

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8. (Original) The golf ball of claim 6, wherein a transitional surface area is located between the perimeter of the dimple and the curved enclosure.
9. (Withdrawn) The golf ball of claim 8, wherein the transitional surface area is substantially a flat surface.
10. (Original) The golf ball of claim 8, wherein the transitional surface area is a curved surface.
11. (Withdrawn) The golf ball of claim 10, wherein the curved surface is conical.
12. (Withdrawn) The golf ball of claim 10, wherein the curved surface is cylindrical.
13. (Original) The golf ball of claim 10, wherein the curved surface is spherical.
14. (Withdrawn) The golf ball of claim 10, wherein the curved surface is parabolic.
15. (Withdrawn) The golf ball of claim 6, wherein the center of the curved enclosure and the center of the perimeter are located proximate to each other.
16. (Withdrawn) The golf ball of claim 15, wherein the center of the curved enclosure and the center of the perimeter coincide with each other.
17. (Original) The golf ball of claim 6, wherein the center of the curved enclosure and the center of the perimeter are offset from each other.
18. (Cancelled).
19. (Amended) ~~The golf ball of claim 1,~~ A golf ball comprising:
a substantially spherical outer surface, and

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a plurality of first dimples formed on the outer surface of the ball, wherein the perimeter of the first dimples comprises at least one linear edge, and defines a concave, substantially spherical depression;

wherein the perimeter further comprises at least one curved edge.

20. (Original) The golf ball of claim 19, wherein the perimeter comprises a second linear edge.

21. (Original) The golf ball of claim 20, wherein the depression comprises a spherical portion.

22. (Amended) ~~The golf ball of claim 21,~~ A golf ball comprising:

a substantially spherical outer surface, and

a plurality of first dimples formed on the outer surface of the ball, wherein the perimeter of the first dimples comprises at least one linear edge and at least one curved edge, and defines a concave, substantially spherical portion; and

wherein the spherical portion of the depression is defined by a curved enclosure and said curved enclosure contacts the perimeter at least at one location.

23. (Amended) ~~The golf ball of claim 21,~~ A golf ball comprising:

a substantially spherical outer surface, and

a plurality of first dimples formed on the outer surface of the ball, wherein the perimeter of the first dimples comprises at least one linear edge and at least one curved edge, and defines a concave, substantially spherical portion; and

wherein the spherical portion of the depression is defined by a curved enclosure and said curved enclosure is contained within the perimeter of the dimples.

24. (Withdrawn) The golf ball of claim 22, wherein the curved enclosure is a circle.

25. (Withdrawn) The golf ball of claim 22, wherein the curved enclosure is an oval.

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26. (Withdrawn) The golf ball of claim 23, wherein the curved enclosure is a circle.
27. (Withdrawn) The golf ball of claim 23, wherein the curved enclosure is an oval.
28. (Original) The golf ball of claim 1, wherein the golf ball further comprises second dimples, wherein the perimeter of the second dimples is circular and defines a concave, substantially spherical depression.
29. (Original) The golf ball of claim 28, wherein the first dimples are arranged in a predetermined pattern on the outer surface of the golf ball.
30. (Withdrawn) The golf ball of claim 29, wherein the predetermined pattern is a geodesic pattern.
31. (Withdrawn) The golf ball of claim 29, wherein the predetermined pattern is random.
32. (Withdrawn) The golf ball of claim 29, wherein the predetermined pattern is a polyhedron pattern.
33. (Withdrawn) The golf ball of claim 32, wherein the polyhedron pattern is selected from a group consisting of tetrahedron, octahedron, hexahedron, dodecahedron, and icosahedron.
34. (Original) The golf ball of claim 29, wherein the predetermined pattern comprises first dimples arranged along an equator of the ball.
35. (Original) The golf ball of claim 34, wherein the equator of the ball is a parting line.
36. (Original) The golf ball of claim 34, wherein the predetermined pattern further comprises first dimples arranged along a line orthogonal to the equator.

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37. (Original) The golf ball of claim 36, wherein the predetermined pattern further comprises first dimples arranged along a line diagonal to the equator and to the orthogonal line.

38. (Original) The golf ball of claim 29, wherein the predetermined pattern comprises longitudinal lines on the ball.

39. (Original) The golf ball of claim 29, wherein the predetermined pattern comprises the latitude lines on the ball.

40-59. (Previously Cancelled)